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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/556,237	11/13/2006	Wei Wu	13589.0002	3671	
Kirton & McCo	7590 05/28/200 onkie	EXAMINER			
1800 Eagle Gate Tower			ROZANSKI, MICHAEL T		
60 East South Temple Salt Lake City, UT 84145-0120			ART UNIT	PAPER NUMBER	
•	·			3768	
			MAIL DATE	DELIVERY MODE	
			05/28/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/556,237	WU, WEI				
Office Action Summary	Examiner	Art Unit				
	MICHAEL ROZANSKI	3768				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 14 Fe	ebruary 2008					
• • • • • • • • • • • • • • • • • • • •	action is non-final.					
<i>i</i> —	/ 					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>15-25 and 27-42</u> is/are pending in the application.						
,	4a) Of the above claim(s) <u>39-42</u> is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
· · · · · · · · · · · · · · · · · · ·						
6) Claim(s) <u>15-25 and 27-38</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) X Notice of References Cited (PTO-892)	4) ☐ Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application 6) Other						
Paper No(s)/Mail Date 6) Other:						

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 15-25 and 27-38 are rejected under 35 U.S.C. 102(b) as being anticipated by Ben-Haim et al (US 6,321,109).

Ben-Haim discloses a method of excavating tissue in the body using microbubbles and cavitation via ultrasound. In one embodiment, a catheter is used to bring a microbubble solution to a tissue for excavation while ultrasound is applied to induce cavitation of the solution thus causing embolism, which is an inherent result (col 8, line 39-col9, line 16). A particular lipid coated microbubble solution is described in US Patent No. 5,215,680 to D'Arrigo, the disclosure of which is incorporated by reference in Ben-Haim. One step in the creation of the solution is to vigorously shake the mixture, thereby trapping macroscopic gas pockets, containing either the particulate aerosol or particle adherring to the gas/liquid interface, within the body of the aqueous lipid surfactant solution (col 9, lines 52-55). As illustrated in Figure 1C, the system includes an application device 74, a microbubble solution, an injection device 62, 68, and a delivery device 60.

Application/Control Number: 10/556,237 Page 3

Art Unit: 3768

Response to Arguments

Applicant's arguments with respect to claims 15-25 and 27-38 have been considered but are moot in view of the new ground(s) of rejection. This action is made non-Final.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL ROZANSKI whose telephone number is (571)272-1648. The examiner can normally be reached on Monday - Friday, 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/556,237 Page 4

Art Unit: 3768

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eric F Winakur/ Primary Examiner, Art Unit 3768

MR